

इंटरनेट

मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8312 (1977): Forceps, Introducing, Endotracheal Tube, Magill's Pattern [MHD 13: Veterinary Hospital Planning and Surgical Instruments]



“ज्ञान से एक नये भारत का निर्माण”

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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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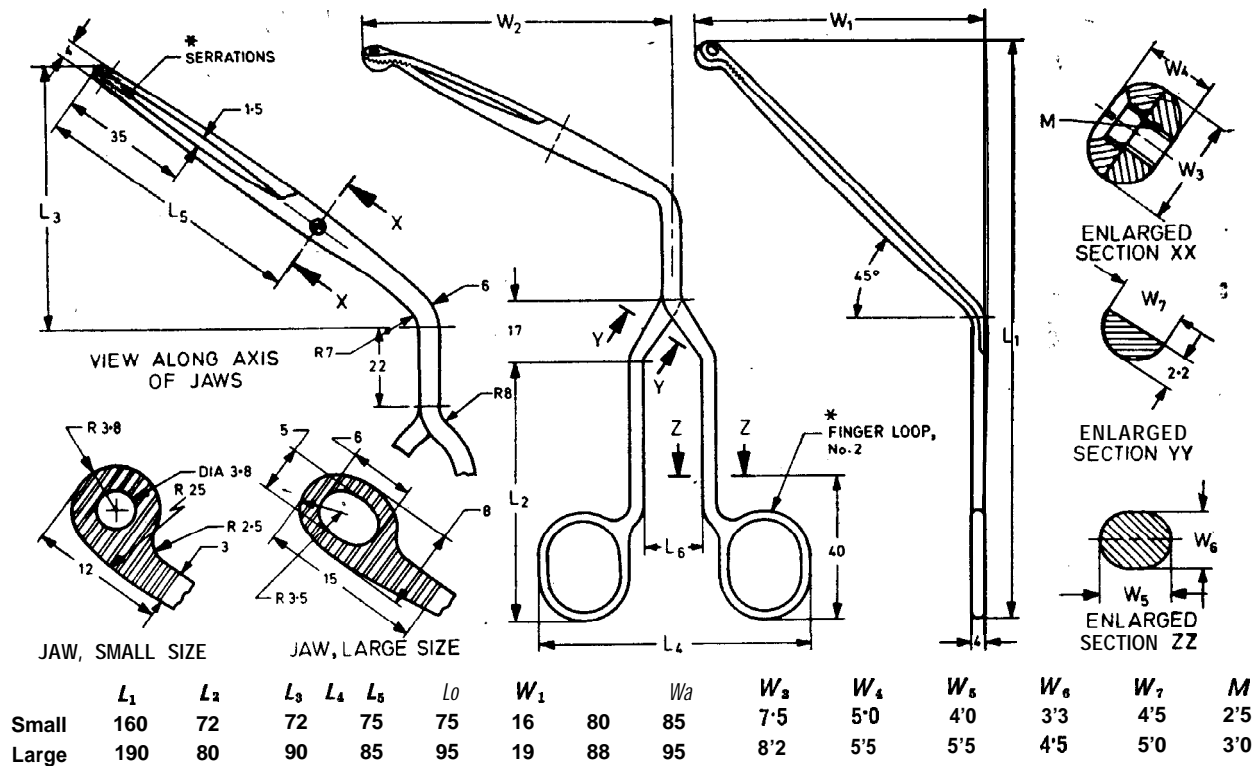


Indian Standard

SPECIFICATION FOR FORCEPS, INTRODUCING, ENDOTRACHEAL TUBE, MAGILL'S PATTERN

1. Scope — Dimensional and other requirements for Magill's pattern, endotracheal tube introducing forceps.

2. Shape and Dimensions -As shown in Fig. 1.



*See IS : 3642-1966 'General requirements for surgical instruments'.

All dimensions in millimetres.

FIG. 1 FORCEPS, INTRODUCING, ENDOTRACHEAL TUBE, MAGILL'S PATTERN

3. Material — Stainless steel bars conforming to Designation 20Cr13 or 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

4. Workmanship and Finish

- 4.1 The forceps shall be free from rough edges, pits, cracks, burrs, seams and other surface defects.
- 4.2 All edges shall be smooth and even.
- 4.3 The serrations shall be well formed and clean.
- 4.4 The joints shall work smoothly and shall not have any undue play.
- 4.5 The forceps shall satisfy the requirements given in Section 2 of IS : 3642-1966.
- 4.6 The forceps shall be polished bright and passivated.

Adopted 14 January 1977

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5. Heat Treatment-The forceps shall be hardened and tempered to give a hardness of 430 to 490 HV.

6. Tests

6.1 flexibility Test- Hold a piece of wood of approximately 30 mm cube size in between the two jaws of the forceps. Apply maximum manual force at the end of the finger loops so as to press it fully. After the test, the forceps shall not be damaged.

6.1.1 Hold one arm of the forceps in a suitable vice on the side of finger loops in such a way that a length of 100 mm in case of bigger size and 75 mm in case of smaller size from the jaws protrudes outside the vice. Apply a force at right angles to the plane of the jaws so that the jaws deflect by 5 mm. The same test to be repeated on the other arm also. After completion of the test, no permanent set shall be observed.

6.2 Corrosion Resistance Test -Test the forceps in accordance with IS : 7531-1975 ' Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments '. The forceps shall show no sign of corrosion after test.

7. Marking — The forceps shall be marked with the manufacturer's name, initials or recognized trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing -As agreed to between the purchaser and the manufacturer,